Chapter 21, Enols & Enolates, Part 2 – Practice Problems



What is the most likely first step in the mechanism for the given reaction?

Which of the following could NOT be a product of an aldol reaction?

4

Predict the major products for the following reactions.

H₂O heat

$$0 \longrightarrow \frac{1) \text{ EtONa, EtOH}}{2) \text{ H}_3\text{O}^+ \text{ mild}}$$

5

Provide a mechanism for the second reaction.

7

To obtain a neutral product, each of the following reactions requires an acidic aqueous workup EXCEPT: